**Discrete Mathematics**
**Volume 213, Numbers 1–3, 28 February 2000**

## Contents

**Preface**

Z. Lonc 1

**Contributions**

*L. Bassalygo, G. Cohen and G. Zémor*
Codes with forbidden distances 3

*S.L. Bezrukov, J.D. Chavez, L.H. Harper, M. Röttger and U.-P. Schroeder*
The congestion of $n$-cube layout on a rectangular grid 13

*H. Bielak*
Sufficient condition for Hamiltonicity of $N_2$-locally connected claw-free graphs 21

*V. Blinovsky*
Asymptotical properties of linear codes 25

*B. Bollobás and D.B. West*
A note on generalized chromatic number and generalized girth 29

*S.D. Cohen and N.N. Kuzjurin*
On the packing radius and the covering radius of equal-weight codes 35

*N. Dean and M. Kouider*
Gallai's conjecture for disconnected graphs 43

*S.M. Dodunekov and I.N. Landjev*
Near-MDS codes over some small fields 55

*M.A. Donalies and B.S.W. Schröder*
Performance guarantees and applications for Xia's algorithm 67

*H. Enomoto, S. Matsunaga and K. Ota*
Graph decompositions and $D_3$-paths with a prescribed endvertex 87

*I. Fabrici, P.J. Owens and H. Walther*
Non-hamiltonian polyhedral graphs with two types of faces 105

*O. Favaron*
Extendability and factor-criticality 115

*P. Fishburn, P. Tetali and P. Winkler*
Optimal linear arrangement of a rectangular grid 123

*G. Gancarzewicz and A.P. Wojda*
Graphs with every *k*-matching in a Hamiltonian cycle 141

*G. Gutin, A.V. Kostochka and B. Toft*
On the Hajós number of graphs 153

*C.J. Guu*
The ⌒cFunction 163

*H. Kheddouci, J.-F. Saclé and M. Woźniak*
Packing two copies of a tree into its fourth power 169

*H.A. Kierstead and W.T. Trotter*
Interval orders and dimension 179

*J. Kratochvíl and P. Mihók*
Hom-properties are uniquely factorizable into irreducible factors 189

*J. Kurkowiak and A. Ruciński*
Solitary subgraphs of random graphs 195

*I.N. Landjev*
Linear codes over finite fields and finite projective geometries 211

*U. Leck*
A property of colored complexes and their duals 245

*A.A. Sapozhenko*
On computing boundary functional sums 253

*G. Schaar*
On special numberings of hypergraphs 261

*J. Simonis*
The [23, 14, 5] Wagner code is unique 269

*F.I. Solov'eva*
Perfect binary codes: bounds and properties 283

*J.-P. Tillich*
Edge isoperimetric inequalities for product graphs 291

*Z. Tuza*
Extremal bi-Helly families 321

*A.P. Wojda*
A note on the colour class of a self-complementary graph 333

*I.A. Zioło*
$TT_n$-maximal digraphs of the minimum size 337

Research problems 355

Author index to volume 213 359